



Cold Climate Housing Research Center

CCHRC

PROGRESS REPORT

GRANT NUMBER: 7310026

COLD CLIMATE HEAT PUMP DEMONSTRATION

COLD CLIMATE HOUSING RESEARCH CENTER

1/1/2014 – 3/31/2014

Deliverables Submitted

The commissioning report was submitted this quarter

Budget

Amount Invoiced: \$4,939.96

Most of the budget for this quarter went to the final commissioning of the heat pump and the data system.

Schedule Status

We are a back on schedule. The project has entered the monitoring phase for year 1.

Percent Complete

	Start Date	End Date	Percent Complete
Thermal Response Test	Sep-12	Oct-12	100%
Heat pump system design	Nov-12	Mar-13	100%
Update monitoring plan	Nov-12	Mar-13	100%
Ground loop installation	Jun-13	Jul-13	100%
Heat pump installation	May-13	Nov-13	100%
Data acquisition system installation	Jun-13	Dec-13	100%
Commissioning	Sep-13	Jan-14	100%
System monitoring and maintenance Year 1	Sep-13	Sep-14	60%
System monitoring and maintenance Year 2	Sep-14	Sep-15	N/A
System monitoring and maintenance Year 3	Sep-15	Mar-16	N/A
Data analysis, LCCA, and draft report completion	Apr-16	Jun-16	10%
Final project report	Jul-16	Jul-16	N/A

Work Progress

The heat pump and data collection system have been commissioned. The systems are running and will continue their operation with minimal management for 2 more years.

Future Work

Monitoring the heat pump will involve occasional data verification over the next 2 and a half years. A maintenance log will also be kept in detail.